

IN THE DRAWINGS:

Formal drawings are submitted concurrently herewith.

IN THE CLAIMS:

Please amend the claims as indicated below.

Below are the amended claims in clean, unmarked format.

1. (Amended) A method comprising:

b1 identifying partial feasible routing solutions corresponding to each of a subset of a set of wires to be routed, each of the partial feasible routing solutions identifying a feasible route between fixed points in a layout;

merging the partial feasible routing solutions to identify one or more feasible routing solutions for the set of wires to be routed. PS:

9. (Amended) A method comprising:

b2 constructing multiple partial feasible routing trees, each of the partial feasible routing trees identifying a set of partial feasible routing solutions for a subset of a set of wires to be routed, each of the partial feasible routing solutions identifying feasible routes between fixed points in a layout; and

merging the multiple partial feasible routing trees to identify a set of feasible routing solutions for the set of wires to be routed.

b3 15. (Amended) A method comprising:

determining a first set of possible routes between a first set of fixed points
in an integrated circuit layout;

b3
enc
determining a second set of possible routes between a second set of fixed
points in the integrated circuit layout;
merging the first and second sets of possible routes to determine a third
set of possible routes, the third set of possible routes including possible routes
from the first and second sets of possible routes that do not conflict. p 6+

20. (Amended) An apparatus comprising:
an integrated circuit device having wires routed according to a method
comprising:

b4
identifying partial feasible routing solutions corresponding to each
of a subset of a set of wires to be routed, each of the partial feasible
routing solutions identifying a feasible route between two nodes fixed in
layout;

merging the partial feasible routing solutions to identify one or more
feasible routing solutions for the set of wires to be routed; and
selecting the routing from the one or more feasible routing
solutions.

22. (Amended) A data storage medium storing instructions to be
executed by a computer system, the instructions comprising: